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(54) Process for preparing addition polymerization catalysts via metal center oxidation.

(57) Addition polymerization catalysts comprising a derivative of a Group 4-8 metal compound prepared by metal center oxidation.

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## EUROPEAN SEARCH REPORT

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EP 92 10 0179

| DOCUMENTS CONSIDERED TO BE RELEVANT   |  |   |   |
|---|--|---|---|
| Category  | Citation of document with indication, where appropriate, of relevant passages  | Relevant to claim                                     | CLASSIFICATION OF THE APPLICATION (Int. Cl.5) |
| D, A  | POLYHEDRON<br>vol. 8, no. 13, 1989,<br>pages 1838 - 1843;<br>BOCHMAN M.: 'Synthesis of cationic alkyl<br>bis(cyclopentadienyl)titanium complexes by<br>one-electron oxidation of titanium(III) alkyls:'<br>* the whole document *<br>-----<br>A EP-A-0 277 004 (EXXON CHEMICALS PATENTS INC.)<br>* the whole document *<br>----- |   | C08F4/74                                      |
|   |  |   | TECHNICAL FIELDS<br>SEARCHED (Int. Cl.5)      |
|   |  |   | C08F  |
| The present search report has been drawn up for all claims  |  |   |   |
| Place of search<br>THE HAGUE  |  | Date of completion of the search<br>11 SEPTEMBER 1992 | Examiner<br>FISCHER B. R.                     |
| <b>CATEGORY OF CITED DOCUMENTS</b><br>X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document<br>T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>* : member of the same patent family, corresponding document |  |   |   |